

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

SHIMADA et al

Serial No. 10/771,263

Filed: February 4, 2004

Atty. Ref.: 829-620

Group: 2871

Examiner: unknown

For: Transmission Type Liquid Crystal Display Having A
Transparent Colorless Organic Interlayer Insulating Film
Between Pixel Electrodes and Switching

* * * * *

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

- ☒ 1. **PTO-1449 Pursuant to 37 CFR 1.97(b)**
[within 3 months of filing or prior to 1st Office Action] *N/C*
- ☐ 2. **Statement Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance] *N/C*
- ☐ 3. **Fee Payment Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance] *\$180.00*
- ☐ 4. **Pursuant to 37 CFR 1.97(d)**
[before Issue Fee payment] *\$180.00*

The following are submitted in the above-identified application in compliance with 37 C.F.R. §§ 1.97 and 1.98:


- ☒ 5. A list of documents on Form PTO-1449 together with copies of each foreign reference and identified documents and a translation or a concise explanation of each non-English language document is enclosed herewith. Copies of the articles on page 4 of the PTO-1449 are not available, but will be submitted at a future date.
- ☒ a) The U.S. 5,166,085 and U.S. 4,759,610 references cited in the Chinese Office Action were previously submitted in the parent application.

This paper is submitted in accordance with:

- ☒ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- ☐ a) The required Statement made in item 9 below; or
- ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- ☐ 8. 37 CFR §1.97(d): [before issue fee payment]; and
- ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is submitted herewith; and
- ☐ b) The required Statement is stated in item 9 below.
- ☐ 9. Statement under 37 CFR 1.97(e)
- ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
- ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 10. Please charge all deficiency fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,
NIXON & VANDERHYE P.C.

May 10, 2004

By: 
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INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

829-620

APPLICANT

SHIMADA et al

FILING DATE

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SERIAL NO.

10/771,263

GROUP

2871

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,431,272	2-1984	Yazawa et al.			
	4,451,525	5-1984	Kawazoe et al.			
	4,636,038	1-1987	Kitahara et al.			
	4,943,838	7-1990	Ukai			
	5,003,356	3-1991	Wakai et al.			
	5,045,905	9-1991	Motai et al.			
	5,072,262	12-1991	Uekita et al.			
	5,177,588	1-1993	li et al.			
	5,229,644	7-1993	Wakai et al.			
	5,246,782	9-1993	Kennedy et al.			
	5,281,546	1-1994	Possin et al.			
	5,287,208	2-1994	Shimoto et al.			
	5,294,820	3-1994	Gemma et al.			
	5,408,345	4-1995	Mitsui et al.			
	5,411,629	5-1995	Warfield			
	5,477,359	12-1995	Okazaki			
	5,486,493	1-1996	Jeng			
	5,500,750	3-1996	Kanbe et al.			
	5,576,630	11-1996	Fujita			
	5,585,951	12-1996	Noda et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
*	05-4865-047	5-1992	EP			
✓	0 486 047 A2	5-1992	EP			
✓	0 536 898 A1	4-1993	EP			
✓	0 589 478 A2	3-1994	EP			
✓	0 589 478 A3	3-1994	EP			
✓	0 616 241 A2	9-1994	EP			
✓	0 714 140 A1	5-1996	EP			
✓	2 311 653 A	10-1997	GB			
✓	63-279228 A	11-1988	JP			partial
✓	63-289965 A	11-1988	JP			partial

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

*Examiner		Date Considered	
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

* Did not Received these patents.
-3-

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO. 829-620	SERIAL NO. 10/771,263
	APPLICANT SHIMADA et al	
(Use several sheets if necessary)	FILING DATE February 4, 2004	GROUP 2871

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,591,676	1-1997	Hughes et al.			
	5,600,458	2-1997	Okano et al.			
	5,641,974	6-1997	Den Boer et al.			
	5,675,187	10-1997	Numata et al.			
	5,721,596	2-1998	Kochi			
	5,721,601	2-1998	Yamaji et al.			
	5,724,111	3-1998	Mizobata et al.			
	5,780,874	7-1998	Kudo			
	5,821,621	10-1998	Jeng			
	5,844,647	12-1998	Maruno et al.			
	5,847,720	12-1998	Dunand			
	5,920,084	7-1999	Gu et al.			
	5,994,157	11-1999	Aggas et al.			
	5,994,721	11-1999	Zhong et al.			
	6,038,008	3-2000	Kim et al.			
	6,100,954	8-2000	Kim et al.			

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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	4-6318 A	3-1992	JP			partial	
✓	4-163528 A	6-1992	JP			partial	
✓	4-257826 A	9-1992	JP			partial	
✓	5-203936 A	8-1993	JP			partial	
✓	10-133165 A	5-1998	JP			partial	
✓	4-237092 A	8-1993	JP			partial	
✓	5-142570 A	8-1993	JP			partial	
✓	6-130418 A	5-1994	JP			partial	
✓	6-208137 A	7-1994	JP			partial	
✓	6-242467 A	9-1994	JP			partial	
✓	6-250222 A	9-1994	JP			partial	
✓	7-20496 A	1-1995	JP			partial	
✓	7-84284 A	3-1995	JP			partial	
✓	7-146491 A	6-1995	JP			partial	
*	6-346025 A	12-1994	JP			partial	
✓	8-15731 A	1-1996	JP			partial	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

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(Use several sheets if necessary)	SHIMADA et al	
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	7-333634 A	12-1995	JP			partial	
✓	6-242433 A	9-1994	JP			partial	
✓	4-199029 A	7-1992	JP			partial	
✓	7-56190 A	3-1995	JP			partial	
✓	1-69432 A	7-1989	JP			partial	
✓	5-158071 A	6-1993	JP			partial	
✓	6-230422 A	8-1994	JP			partial	
✓	4-335617 A	11-1992	JP			partial	
✓	6-160902 A	6-1994	JP			partial	
✓	7-209670 A	8-1995	JP			partial	
✓	2-24624 A	1-1990	JP			partial	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

✓	Notice of Reasons for Rejection mailed March 21, 2000 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
✓	Notice of Final Rejection mailed December 26, 2000 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
*	Decision on Appeal mailed October 12, 2001 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
✓	Opposition Proceedings mailed September 13, 2002 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
*	Decision on Appeal mailed October 23, 2001 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
✓	Notice of Reasons for Rejection mailed March 21, 2000 in corresponding JP application No. 10-220220 (JP Patent No. 3253589)
✓	Notice of Final Rejection mailed December 26, 2000 in corresponding JP application No. 10-220220 (JP Patent No. 3253589)
✓	Decision on Appeal mailed October 23, 2001 in corresponding JP application No. 10-220220 (JP Patent No. 3253589)
*	Notice of Reasons for Rejection mailed March 16, 2004 in corresponding JP application No. 2001-44409, which is a divisional appln. of JP 10-220220
✓	Notice of Reasons for Rejection mailed March 16, 2004 in corresponding JP application No. 2001-47716, which is a divisional appln. of JP 10-220219
✓	Chinese Office Action and English translation thereof mailed January 4, 2002 in corresponding Chinese Application No. 96111648

*Examiner	Date Considered	
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* Did not Receive these NPL - 5 -

